

61  
The Polyspers, Phase Relations, Optical Properties,  
and Geological Distribution, by  
A. S. Martynov.  
RUSSIAN, per. Trans Institute Geologii i  
Mestorobudeniya, Petrography, Mineralogy &  
Geology, No 78, 1962, 259 pp.  
COST 17 65-50001

Sci-Har Sci  
Oct 66

313,391

New Optical Orientation Diagrams for the Alkali  
Feldspars, by A. S. Marfunin, 3 pp.

RUSSIAN, Dok Ak Nauk SSSR, Vol CXXXIII, No 4,  
1960, pp 939-942.

AGI

Sci

Aug 61

163, 838

36  
Chemical Bond Estimation From Superfine  
Structure of Electronic Paramagnetic Resonance  
Spectra of Manganese, by L. V. Bershov,  
A. S. Marfunin, 7 pp.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLV,  
No 3, 1964, pp 632-636.  
JPRS 25115

Sci - Chem  
Jun 64

261,992

Errors in Measurements on a Fedorov Stage, Due to  
Birefringence in Glass Segments, by A. S. Marfunin,  
4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geol, No 11,  
1959, pp 98-100.

AGI

Sci

Jan 61

157, 957

Centennial of Microscopic Petrography, by  
A. S. Marfunin, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geolog,  
No 1, 1960, pp 120-124.

Amer Geolog Inst

Sci

132, 545

Nov 60

A Env Diagram for the Optical Properties of Acid  
and Intermediate Plagiolase, by A. B. Marfunin,  
2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 6,  
1958, pp 1183-.

Consultants Bureau

Sci - Geophys

Jan 59

79,978

The Optics of Submicroscopically Twinned  
Crystals, by A. S. Marfumin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVII,  
No 4, 1959, pp 869-872.

AGI

Sci

Jun 61

152, 269

The Isolation of Variola Virus in eggs,  
by S. S. Marennikova, 5 pp.

Vol. XXII, No 6, 1960, pp 102-106.

PP

165,589

**ସଂକ୍ଷିପ୍ତ:**

May 61



Hydrography and Phytoplankton of the Castellon  
Coast From July 1957 to June 1958, by R.  
Margalef.

SPANISH, per, Investigacion Pesquera,  
Vol XV, 1959, pp 3-38.

CSIRO 5275

Sci - Geophys  
Jul 62

207,621

English Title Unknown, by R. Margaria.  
GERMAN, per, Arbeitsphysiologie, 1930, pp 261-272.  
\*NASA TT F-11,774

R. Margaria

June 68

Some Important and Urgent Problems of Aviation  
Medicine, by Prof B. Margaria, 13 pp. UNCLASSIFIED

Full translation.

ITALIAN, per, Rivista Di Medicina Aeronautica, Vol  
XIII, No 3, 1950, pp 331-342.

AND 7-73-7717

Scientific - Medicine

A 7599

W War - Mil - Medical - Human Physiology

33  
Human Ability to Walk Under Decreased Air  
Pressure, by R. Margaria.  
GERMANY, par, Arbeitsphysiologie, Vol 2,  
1930, pp 261-272.  
RUSA TT 1-11,774

*R. Margaria*

Sci  
Dec 68

371,205

Vulcanization of Rubber, by V. B. Margaritov, 5pp  
RUSSIAN, per, Uspekhi Khimii, Vol 20, 1941, No 2,  
pp 224-255  
SLA TT-62-10886  
SLA TT-61-20358

*V. B. Margaritov*

Sci - Met  
July 67

330,845

Conductivity of Weakly Ionized Air at High  
Frequencies, by H. Margenau, E. Desloge, D.  
Stillinger, 10 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXIII,  
No 8, 1959, pp 1040-1049.

Columbia Tech

Sci

Oct 60

130,307

NaI<sub>2</sub>, and KCl Compounds, by Robert Kohnstamm,  
Jean Margerie, 5 pp.  
FRENCH, per, Comptes Rendus, Vol CCLVIII,  
2 Mar 1964, pp 2525-2528. 9224945  
AEC-ORNL-Tr-156

Sci-Chem  
Nov 64

268,721

**Pseudomonas Aeruginosa Infections (Pseudomonas  
Infections) in Infants and Young Children,  
by Renato Paul, W. Marget, 13 pp.  
GERMAN, par, Dent Med Wochenschrift, 1963,  
V 88, No 34, pp 1638-1643.**

RE  
CIA ET 64-18635

*W. Marget*

Jul 66

305,423



Researches on the Behavior of Different Mineral Substances, of Phosphatase, Cholesterol, total-protein and Residual-urea Content, and of Serum-protein Fractions After Fracture Trauma and Nailed Fractures, by G. Haase, W. Merggraf, 17 pp.

CHITMAN, per, Langenbecks Arch u Dtsch Z Chir, Vol CCLXXX, No 6, 1955, pp 641-647.

NIH 9-2

Scientific - Biology  
Nov 56 CTS

40, 424

Blood Transfusion and Blood Clotting. Changes in Individual Clotting Factors or Clotting Complexes in Stored Blood and the Influence of the Intravascular Clotting Milieu in Humans After Transfusion of Stored Blood and Fresh Blood, by Wilhelm Merggraf, 18 pp.

CHYMAN, per, Erg & Bluttransfuschg, No 3, 1957, pp 108-120.

BIB 4-6

Bol - Med

May 50

86.004

The Reaction of Nitrites With Amino-Sulfonic Acid  
and an Identification and Determination of Nitrous  
Acid in the Presence of Nitric Acid, by Paul Baumgarten  
Ilse Marggraff.

GERMAN, per, Per, Vol LXIII, 1930, pp 1019-1024.

AEC Tr 1678

HEur - Germany  
Scientific - Chemistry

Sep 53 CTS

5686

Determination of the Tannins in Wine by  
Ultraviolet Spectrophotometry, by  
G. Margheri.

ITALIAN, per, Revista di Viticoltura e  
di Enologia, Vol XIII, 1960, pp 401-406.

CSIRO/No 6212

Sci-Chem  
Jun 63

234,612

ECONOMIC EFFECTIVENESS OF NEW TECHNOLOGY IN THE  
MECHANIZATION OF AGRICULTURE, BY N. MARGHIDAN,  
I. BIANU, 31 PP

ROMANIAN, PER, PROBLEME ECONOMICE, VOL XVI, NO 7,  
1963, PP 49-63

JPRS 21153

EE-ROMANIA  
ECON  
SEP 63

343,582

The Behavior of the Cutaneous Electric  
Resistance in Parkinsonian Syndromes,  
by G. Margherita.  
ITALIAN, per, Acta Neurol, Vol 19, No 5,  
1964, pp 698-706.  
NIM 5-47-65(On Loan)

*G. Margherita*

Sci/BQM  
Jul 65

283,667

53  
The Behavior of the Cutaneous Electrical  
Resistance in Parkinsonian Patients after  
Thalamolysis, by G. Margnorita,  
ITALIAN, per, Acta Neurol, Vol 19, No 5,  
1964, pp 707-713.  
NIN 4-61-65

Sci-BGM  
May 65

280,901

(DC-1689)

Technical Means of Increasing Agricultural Production of Collective Farms in Cluj Regiune, by I. Margineanu, 16 pp. UNCLASSIFIED

RUMANIAN, no per, Probleme Agricole, Vol IX, No 12, Bucharest, Dec 1957, pp 76-88.

US JPRS/DC-L-423

EEur - Rumania  
Eco - Agriculture

66,080



14  
Progress Report on the Development of the  
Soviet Atomic Industry, by Ion M. Gheorgheanu,  
Gen. M. Gheorgheanu, 3 pp.  
RUMANIAN, op. Science, Vol XXIII, No 6203,  
20 May 1964, p 1.  
JPRS 3348

EL-Environa  
Econ  
Aug 64

265,167

MARGINEANU, ION

511. Completion of the USSR and Soviet-Chinese  
Scientific Collaboration, by A. Margolin, 2 pp.

RUSSTAN, per, Voprosy Ekonomiki, Vol I, No 7, 1958,  
pp 156-158.

Internat'l Arts and Sci Press

USSR  
Econ  
Dec 58

78,453

Specialization and the Comprehensive Development  
of the National Economy of the Economic-  
Administrative Areas of the Far East, by  
A. B. Margolin, 15 pp.

RUSSIAN, rpt, Problemy Narodnogo Khozyaystva  
Dal'nego Vostoka, 1963, pp 213-239.

ACSI I-3722  
ID 2251748

Far East  
USSR  
Econ  
Dec 63

244,027

Stability of Burning of Porous Explosives,  
by A. D. Margolin, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 4,  
1961, pp 867-869. 9664226

FTD-TT-61-389

OTIA 19114

Sci - Phys

2 Mar 62

186,256

THE LEADING STAGE OF COMBUSTION, BY A. D. MARGOLIN,  
4 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXLI, NO 5,  
1961, PP 1131-1134.

CB

SCI - PHYS CHEM

SEP 62

209,640

Constant Pressure, by A. D. Margolin, 17 pp.

RUSSIAN, per, Inzhenerayy Zhurnal, Vol. III, No 3, 1963.

JPRS 22567

Sci.  
Jan 64

246,234

The Leading Stage of Burning, by A. D.  
Margolin, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Fiz Khim,  
Vol CXLI, No 5, 1961, pp 1131-1134.  
9677231

FTD-TT-62-229

Sci - Phys

18 Jun 62

207,158

(SF-1330)

Meeting of Petroleum-and-Gas and Chemical Societies,  
by D. L. Margolin, 11 pp.

RUSSIAN, per, Zhur Vsesoyuznogo Khim Obshch imeni  
D. I. Mendeleeva, Vol V, No 4, Aug 1960,  
pp 460-465.

JPRS 4332

Sci - Chem

Feb 61

139, 276



(SF-1879)

Results of the Competition for the Best Works of the  
Central Board of the All-Union Chemical Society  
Imeni D. I. Mendeleev for 1959, by D. L. Margolin,  
G. A. Rudakov, 15 pp.

RUSSIAN, per, Zhur Vses Khim Obshch imeni D. I.  
Mendeleeva, No 1, 1961, pp 102-107.

JPRS 11920

180,387

Sci - Chem

Jan 62

(NY-4880)

Sixty Ninth Report and Election Meeting of the  
All-Union Chemical Society named I. Mandeleev,  
by D. L. Margolin, 22 pp.

RUSSIAN, par, Zhur Vsesoyuznogo Khim Obshch imeni  
D. I. Mandeleeva, Vol V, No 1, 1960, pp 97-101.

JPRS 7515

Sci - Chem

Feb 61

139,271

X-Ray Investigation of the Nature of Fracture Under  
Impact Loading, by D. M. Vasil'ev, G. I. Margolin,  
S. V. Dianov, 6 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXVI, No 9,  
1956, pp 2119-2124.

Amer Inst of Phys  
Soviet Phys-Tech Phys  
Vol I, No 9

Sci - Physics  
Oct 57

54, 561

Voluminous and Shaped Yarn From Chemical  
Fibres, by I. Margolin.

RUSSIAN, per, Tekstil'naya Promy, Vol XXI,  
No 1, 1961, pp 14-19.

CSIRO/No 5749

Sci-Chem  
Mar 63

225,289

Fundamentals of Infrared Technology, by I. A.  
Margolin, N. P. Rumyantsev, 318 pp, (AF 708468).

RUSSIAN, bk, Osnovy Infrakrasnoy Tekhniki, 1955,  
264 pp. *CIA D 603239 also 603334*

*C2A 604259-C*

ATIC F-TS-10089/V

Sci - Physics  
Aug 57

*57, 205*

Infrared Instruments for Military Purposes, by I. A.  
Margolin, N. P. Ruyantsev, 44 pp.

RUSSIAN, bk, Osnovy Infrazharnoi Tekhniki, 2nd Ed,  
1957, pp 276-303. CIA 647192

ATID P-TS-9672/V

Sci - Electron  
Apr 59

85,017

Letter to the Editor Concerning the Paper by  
N. V. Churaev, by I. Z. Margolin, 2 pp.

RUSSIAN, per, Kolloid Zhur, Vol XVII, No 1,  
Jan-Feb 1955, pp 76. CIA D 151334

Consultants Bureau

24,437

Scientific - Chemistry Jun 55 CTS/DEK

49  
Short Period Forecasting of High-Water Hydrographs,  
by L. M. Margolin, 63 pp.  
RUSSIAN, per. Moscow: Otdel, Moscow, No 7,  
1964, pp II-23.  
JPRS 26189

Sci - RI/A  
Sep 64

264,302



METEOROLOGICAL AND HYDROLOGICAL NEWS ITEMS, BY  
L. M. MARGOLIN, N. I. MAKAROVA, ET AL, 3 PP.

RUSSIAN, PER, MET I QID, NO 10, 1963, PP 63, 64.

JPRS 22048

SCI-EAR SCI  
DEC 63

212,989

(NY-2900/5).

Air-Separation Units, by K. N. Ivanov, L. R.  
Margolin, 6 pp.

RUSSIAN, per, Kislored, No 2, 1959.

JPRS-1982-N

USSR  
Econ - Technological - Chemical Machinery  
Nov 59

100,555

(NY-2900/2).

~~Small and Medium Capacity~~ <sup>(Nitrogen)</sup> Installations for the  
~~Production of Liquid and Gaseous Nitrogen~~, by  
K. N. Ivanov, L. R. Margolin, V. D. Zubchik, 8 pp.

RUSSIAN, per, Kinklorod, No 1, 1959.

JPRS-1798-N

USSR  
Econ  
Jul 59

93,099

Calculation of a Vacuum-Tube Oscillator With a  
Complex Load Under Overloaded Operating Conditions,  
by M. G. Margolin, 16 pp.

RUSSIAN, per, Radiotekh, Vol XIII, No 10, 1958,  
pp 29-38.

PP

Sci - Engr  
Oct 59

99,127

The Relationship Between Valve and Transistor Parameters, by M. G. Margolin, 10 pp.

RUSSIAN, per, Radiotekhnika, Vol XIII, No 2, 1958, pp 79-85.

Pergamon Press

Sci - Electron

Sep 59

96,670

Auto Anode Modulation of Tube Oscillators,  
by M. G. Margolin, 23 pp, (AF 640651).

RUSSIAN, bimo per, Radiotekhnika, No 4,  
Jul/Aug 1954, p 33. CIA V 6150

ATIC F-TB-8442/V

Scientific - Electronics 34,976

Jun 56 GTS/dex

Magnetic Investigations of Alloys of the  
System Cr-Ge, by S. D. Margolin, I. G.  
Fakidov, 4 pp.

RUSSIAN, per, Fiz Metal i Metallov, Vol  
No 6, 1960, pp 823-827.

PF

Sci

156, 183

Jun 61

Application of the Photoresistance of CdS in  
Combination With Phosphors as a Detector for  
Cobalt-60 Gamma Rays, by S. D. Margolin, I. G.  
Fekidov,

RUSSIAN, part, Dok Ak Nauk SSSR, Vol CV, 1955,  
pp 976-977.

AEC Tr-4000

Sci - Chem

May 60

117,363



R-900

(NY-2928).

Measures for Sharp Curtailment of Output of Anthracite  
Fines in the Donbass, by V. A. Margolin, 11 pp.

RUSSIAN, per, Ugol', No 7, 1959, pp 55-58.

JPRS-L-978-N

USSR

Econ - Coal Industry

Sep 59

97,691

Influence of Small Additions upon Crystallisation and Physical Properties of Some Alloys and Alloy Steels, by V. Masskin, Y. Margolin, 16 pp.

RUSSIAN, per, Stal, Vol I, No 5, 1941, pp 47-53. (loan copy only)

SLA R-1927

Sci  
Aug 58

70,961

Hydrogen in Transformer Steel, by V. S. Mes'kin,  
Yu. M. Margolin

Full translation.

RUSSIAN, per, Soobshcheniya Leningradskogo Instituta  
Metallov, No 13, 1933, pp 42-82.

Brutcher Tr No 57

Scientific - Ch<sup>e</sup>mistry

Jul 53 CTS/DEX  
Price \$1.50

2970

The Freezer-Fishing Trawler, by M. I. Dionidov, E. G.  
Margolina. UNCL

RUSSIAN, per, Sudostroyeniye, Vol XXV, No 4, 1960,

<sup>V</sup>  
Navy Tr 2841/BuShiy's 749

SR

100

161

160, 997

Magnetic Structure of Small Monocrystalline  
Particles of MnBi Alloy, by Ya. S. Shur, E. V.  
Shtol'ts, V. I. Margolina, 5 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXVIII,  
No 1, 1960, pp 46-50.

Amer Inst. of Phys  
Sov Phys - JETP  
Vol XI, No 1

Sci -  
Aug 60

122,138

Concerning the Nature of the Self-Adhesion  
(Autohesion) of High-Molecular Substances, by  
S. S. Voyutskiy, Yu. L. Margolina, 30 pp.

RUSSIAN, per, Uspekhi Khim USSR, Vol XVIII,  
No 4, 1949, pp 449-461.

SIA 59-15938

Sci  
Dec 59  
Vol 2, No 4

102,781

Concerning the Nature of the Self-Adhesion (Autohesion)  
of High-Molecular Substances, by S. S. Voyutskiy,  
Yu. L. Margolina, 30 pp.

RUSSIAN, per, Uspekhi Khim, Vol XVIII, No 4, 1949,  
pp 449-461.

SLA 59-15938

Sci - Chemistry  
Nov 59

103,310

Hydrography and Phytoplankton of the  
Castellon Coast From ~~XX~~ XX July 1956 to  
June 1957, by J. Herrera, R. Margaleff.

SPANISH, per, Investigacion Pesquera, No 10,  
1957, pp 17-44.

CSIRO Tr 5279

LA - Spain  
Geog  
Oct 61

171,337

INVESTIGATION OF TONIC REFLEXES ON STIMULATION  
OF DIFFERENT HUMAN SENSE ORGANS, BY G. M.  
MARGOLIN, 6 PP.

RUSSIAN, PER, FIZIOL ZHUR SSSR IMENI  
I. M. SECHONOVA, VOL XLVIII, NO 1, 1962,  
PP 95-97. 9665945

FTD-TT-62-558

SCI - MED  
AUG 62

207,962



The State of Affairs and Problems of Our Party  
Organization in the People's Democracy of Bulgaria,  
by Alekos Margaritis, 13 pp

Full Translation.

GREEK, per, Ecos Kosmos, Vol C. No 11, Athens, Nov  
1951, Encl 1 to State Dept Despatch 1295, Athens,  
28 Apr 1952.

State Tr

EEu - Bulgaria, Greece

Political - Communism

Jun 54 CTS DEX

CIA 771331

A7598

(S-5385)

(NY-2948)

For the Fulfillment of the Seven-Year Plan Ahead of  
Time, by D. A. Margolis, 3 pp.

RUSSIAN, per, Medit From SSSR, No 7, 1959, pp 6-8.

JPRS-L-1016-R

Sci - Med  
Nov 59

100,568

Simultaneous Microdetermination of Carbon, Hydrogen  
and Sulfur, by E. I. Margolis, N. P. Egorova, *944*,

RUSSIAN, per, Vestnik Moskov Univ, Ser Matematiki,  
Mekhaniki, Astronomii, Fiziki, Khimii, Vol XIII,  
No 4, 1958, pp 209-213.

*SLA 62-10247*  
ATS RJ-2019

*ATS-FIL 34K*

Sci - Chem

Jan 60

*105,681*

The Problem of the Study of Night Vision of Certain  
Ship Specialists, by E. M. Margolis, 2 pp.

RUSSIAN, no per, Voenno-Med Zhur, No 12, 1955,  
pp 61-65, Encl to IR 1265-57, AFOIN-1A1.

AF 1083495

46,365

Sci - Medicine  
Apr 1957 CTS/dex

The Reaction of Potassium Chloride With a Mixture  
of Sulfur Dioxide, Water and Steam, by F. G.  
Margolis, Z. N. Lunskaya, S. I. Volkovich,  
6 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXVIII, No 5,  
May 1955, pp 453-458. CIA C 39706

28,912

Consultants Bureau

Scientific - Chemistry

Nov 55 CTS/DEX

Oxidation of  $\text{NH}_3$  with  $\text{O}_2$  in the Presence of Water  
Vapor, by F. G. Margolis, A. M. Dubovitskiy, 12 pp.

RUSSIAN, Trans Sci Inst Fertilizers, No 92, 1932,  
pp 59-67.

SLA R-2878

Sci

Jul 59

92, 353

The Dendritic Structure of the Ammonium Nitrate  
and its Effect on Caking of the Salt, by A. M.  
Dobovitsky, F. G. Margolis, and T. V. Glazova,  
16 pp.

RUSSIAN, no per, Zhur Prikl Khim, Vol XXVII, No 4,  
Apr 1954, pp 368-375. CIA C 38934

Consultants Bureau

Scientific - Chemistry

OTS 73/Oct 55

27,004

The Production of Dicalcium Phosphate and Ammonium Nitrate by the Nitric Acid Decomposition of Phosphates, by F. G. Margolis et al.

RUSSIAN, per, Khim Prom, ~~Vol. 22, No. 1~~, No 1, pp 26-31.

ATS RJ-1705 1956

ATS-64230R

Sci - Chem

Jul 59

90,869



Margolis, F.G., Lunskeya, Z.N. and  
Vol'kovich, S.I.

REACTION DU CHLORURE DE POTASSIUM AVEC UN  
MELANGE D'ANHYDRIDE SULFUREUX D'AIR ET DE  
VAPEUR D'EAU (Vzaimodeistvie Khloristogo Kaliya so  
Smes'yu Sernistogo Gaza, Vozdukh i Vodyanogo Para)  
(The Reaction of Potassium Chloride With a Mixture of  
Sulfur Dioxide Water and Steam). 18p. (foreign text  
included) 2 refs, CNRS-VIII bis 338.

Order from OTS, ETC or CNRS \$1.60 TT-62-28169

Trans. in French of #Zhurnal Prikladnoi Khimii  
(USSR) 1955, v.28, no.5, p.453-458.

DESCRIPTORS: \*Potassium compounds, Chlorides,  
Sulfur compounds, Dioxides, Air, Water vapor,  
\*Sulfates, Catalysts, Pyrites.

(Chemistry--Inorganic, TT, v. 11, no. 8)

TT-62-28169

- I. Margolis, F.G.
- II. Lunskeya, Z.N.
- III. Vol'kovich, S.I.
- IV. CNRS-VIII bis 338
- V. Centre National de la Recherche Scientifique, Paris

Office of Technical Services  
European Translation Centre

The State and Trends of Fertilizer Manufacture by the  
Nitric Acid Treatment of Phosphates in the Capitalist  
Countries, by A. M. Dubovitsky, F. G. Margolis, 10 pp.

Full tr

RUSSIAN, no per, Zhur Prik Khim, Vol XXIX, No 3, 1956,  
pp 321-329. CIA 9000995-C, Reel No 42

Consultants Bureau

Sci - Chemistry  
Nov 56 CTB

40,504

Margolis, L. D.  
OXIDATION OF TOLUENE TO BENZALDEHYDE.  
[1961] 6p. 18 refs.  
Order from OTS or SLA \$1.10 61-18033

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1941,  
v. 14, p. 827-833.

DESCRIPTORS: \*Toluenes, Oxidation, \*Benzaldehydes,  
Electrolysis, \*Electrochemistry.

Oxidation of toluene to benzaldehyde can be carried out  
with oxidizing agents capable of electrolytic regenera-  
tion. For this purpose a solution of manganese sulfate  
in sulfuric acid of specific gravity 1.500 is suitable.  
The oxidizing agent may be regenerated in an apparatus  
with lead electrodes without a diaphragm. This may  
easily be carried out under plant conditions. The opti-  
mal conditions of oxidation of toluene and of regenera-  
tion of the oxidizing agent are: (a) specific gravity of  
sulfuric acid used for the bath, 1.500; (b) temperature  
(Chemistry--Organic, TT, v. 6, no. 7) (over)

at which the current is passed. 509: (c) current density

61-18033

I. Margolis, L. D.

Office of Technical Services

61-18033

Modification of Catalysts for the Oxidation  
of Hydrocarbons, by L. Ya. Margolis,  
E. Kh. Enikeyev, et al, 7 pp.

RUSSIAN, per, Kinetika i Kataliz, Vol III,  
No 2, 1962, pp 181-188.

CB

Sci

Jan 63

220,668

Kinetics of the Oxidation of Propylene to Acrolein  
on Copper Catalyst, by O. V. Isayev, L. Ya. Margolis,  
4 pp.

RUSSIAN, per, Kinetika i Kataliz, Vol I, No 2,  
1960, pp 237-241.

CB

Sci  
Jul 61

161,254

The Mechanism of the Oxidation of  
Acrolein on a Cuprous Oxide Catalyst, by O. V.  
Isayev, L. Ya. Margolis, I. S. Sazonov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 1,  
1959, pp 141-144.

~~RUSSIAN, per, No,~~

~~195~~

CB

Sci

Oct 60

131,245

Physicochemical Investigations in the Field of the  
Ammonia-Soda Process. IV. Kinetics of Crystalli-  
zation of Sodium Bicarbonate Out of Supersaturated  
Solutions, by A. P. Belopol'skiy, F. G. Margolis,  
26 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol XX, No 4, 1947,  
pp 331-344.

Sci Tr Center  
RT-1594

Scientific- Chemistry

CTS/DEX

18,781

Catalytic Oxidation of Various Classes of  
Organic Compounds in a Jet, by  
L. Ya. Margolis, G. H. Todes.  
RUSSIAN, per, Zh Obshchey Khim, Vol 18,  
No 6, 1948, pp 1043-1050.  
Dept of Navy NRL Trans No 1171

Sci-Chem  
June 69

383,154



The Effect of the Surface Charge of Zinc Oxide  
on the Rate of Chemisorption of Oxygen, by E. Kh.  
Enikayev, L. Ya. Margolis, S. Z. Roginskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 2,  
1959, pp 372-375.

CB

Sci

Oct 60

130,070

Fundamental Relationships in the Catalytic Oxidation  
of Hydrocarbons. I. Adsorption of Hydrocarbons  
on Oxidation Catalysts, by L. Ya. Margolis.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk SSSR,  
No 10, 1958, pp 1175-1183. 904911-7

ATS RJ-1921

ATS-99L 34R

Sci - Chem  
Dec 59

104,095

Modification of a Silver Catalyst by Organic  
Halogen Compounds, by Yu. N. Stepanov, L. Ya.  
Margolis, S. Z. Roginskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXV,  
No 2, 1960, pp 369-372.

EE CB

Sci

167, 393

Jul 61

Mechanism of the Catalytic Oxidation of Simple  
Unsaturated Hydrocarbons on Metals and Semiconductors,  
by L. Ya. Margolis, S. Z. Roginskiy. UNCL

RUSSIAN, bk, Problemy Kinetiki i Kataliza IX,  
Isotopy v Katalize, 1957, pp 107-116. 9077077

DSIR LIU M.904

RJ-2407

OTS 60-13778  
(loan)

Sci - Chem

Mar 60

111, 135

A Study of Oxygen Exchange on Vanadium Catalysts by  
the Use of  $O^{18}$ , by L. Ya. Margolis and E. G. Flyshevskaya,  
5 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 3, May-Jun 1952, pp 415-421.

Consultants Bureau

UKSNI (R. No 521)  
SIA R-3626

USSR

Scientific - Chemistry

Mar 54 CTS/DEX

10, 726

New Method of Determination of the Physical and  
Chemical Adsorption on Oxide Semiconductor  
Catalysts, by S. Yu. Glavich, L. Ya. Margolis.  
4 pp. USSR

INTRODUCED, per, Dok Ak Nauk SSSR (Eng. transl.),  
Vol CVII, 1956, pp 112-114. CIA 9039026

ACSIL 1033

Sci - Chem  
Jun 59

88, 442

Catalytic Oxidation of Propylene to Acrolein. I,  
by O. V. Isayev, L. Ya. Margolis, S. Z. Roginskiy,  
5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 5,  
1959, pp. 1522-1527.

Consultants Bureau

Sci

Jul 60

120,452

A. Copper Catalyst for the Oxidation of Propylene or  
Acrolein, by O. V. Iseev, M. Ya. Kushnerov, L. Ya.  
Margolis, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 1,  
1958, pp 104-106.

Consultants Bureau

Sci - Chem

May 59

87,032



Oxidation of Propylene to Acrolein on Vanadium and  
Molybdenum Catalysts, by I. L. N. Kutsava, L. Ya.  
Margolis, 5 pp.

~~RUSSIAN~~ RUSSIAN, per, Zhur Obshch Khim, Vol XXXII,  
No 1, 1962, pp 102-107.

CB

Sci

Oct 62

216,154

The Surface Charges of Semiconducting Oxides in  
the Adsorption of Gases and Vapors, by E. Kh.  
Zhilovoyev, L. Ya. Margolis and S. Z. Roginskiy,  
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIV, No 3.  
1959, pp 606-608.

Consultative Bureau

Sci

Feb 60

108, 160

Oxides of Transition Metals as Catalysts of  
the Oxidation of Hydrocarbons, by L. Ya.  
Margolis, S. Z. Roginsky, T. A. Gracheva, 4 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXVI,  
No 5, May 1956, pp 1368-1370.

Consultants Bureau

Sci - Chemistry  
May 57

47,294

Assoc Tech Sv RI-574

\$4.95

Oxidation of Propylene on Cobalt-Manganese Spinels  
with Lithium, Titanium, and Copper Oxides Added  
By V. R. Linde, L. Ya. Margolis (p. 5)

RUSSIAN, per Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 10, 1962, pp. 1723-1727

CB

Sci

Aug 63

343,073

Investigation of Adsorption of Gases on Manganese  
Dioxide by the Electric Conductivity Method, by  
S. Yu. Elovich, L. Ya. Margolis, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXI,  
No 2, 1957, pp 206-210.

Columbia Tech

Sci - Physics  
May 58

62,987

Alteration of the Work Function of Oxide Semiconductors  
by the Introduction of Additives, by E. Kh,  
Enikeyev, L. Ya. Margolis, S. Z. Roginskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXX, No 4,  
1960, pp 807-809.

CB

150,017

Sci

Apr 61

Modifying of Catalysts for Hydrocarbon  
Oxidation, by E. Kh. Enikeev, O. V. Isayev,  
L. Ya. Margolis, 8 pp.

RUSSIAN, per, Kinetika i Kataliz, Vol I,  
No 3, 1960, pp 431-439.

CB

168,551

Sci  
Sep 61

Specificity of the Catalytic Oxidation of Un-  
saturated Hydrocarbons, by L. Ya. Margolis,  
S. Z. Roginskiy, 6 pp.

Full tr

RUSSIAN, no per, Iz Ak Nauk, Otdel Khim Nauk,  
No 3, 1956, pp 281-286. CIA 9000402

Consultants Bureau

Sci - Chemistry  
Sep 56 cto

*Assoc Feb 89:06*

*38,672*



The Fundamental Laws of the Catalytic Oxidation  
of Hydrocarbons. Communication 2. Oxygen  
Absorption on Oxidation Catalyst, by L. Ye.  
Margolia, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 2, 1959, pp 225-231.

Consultants Bureau

Sci - Chem

Apr 60

113,215

Kinetics of the Oxidation of Simple Unsaturated  
Hydrocarbons in the Presence of Vanadium Contact  
Catalysts, by L. Ya. Margolis, E. P. Malyarova,  
S. Z. Roginsky, 7 pp

Full translation.

RUSSIAN, bimo per, Iz Ak Nauk, Otdel Khim Nauk,  
No 6, 1954, pp 958-965. CIA C 41022

Consultants Bureau

Scientific - Chemistry  
Mar 56 CTS/dex

32, 014